#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

REISSUE SERIAL NO. :

FILED :

GROUP ART UNIT :

EXAMINER :

PATENT NO. : 5,855,004

INVENTORS : Novosel et al.

TITLE : "SOUND RECORDING AND REPRODUCTION

SYSTEM FOR MODEL TRAIN USING INTEGRATED DIGITAL COMMAND

CONTROL"

# REISSUE APPLICATION INVENTOR'S DECLARATION AND POWER OF ATTORNEY MICHAEL J. NOVOSEL

Assistant Commissioner for Patents Box 7 Washington, D.C. 20231

SIR:

I hereby declare that:

- My residence, post office address and citizenship are as stated below next to my name.
- 2. I am one of the original joint inventors for U.S. Patent Application Serial No. 08/851,200 filed May 5, 1997 and which issued as U.S. Patent No. 5,855,004 on December 29, 1998, and for which invention a reissue patent is being solicited.
- 3. A copy of the reissue application is attached hereto. I have reviewed and understand the contents of the specification, including the claims as amended or added by any amendments specifically referred to herein.
- 4. I believe the named inventors, I, Michael J. Novosel, Vincent S. Fleszewski, III and Kelly Boles, to be the original and first inventors of the subject matter which is claimed and

for which a reissue patent is sought.

- 5. I acknowledge the duty to disclose information defined in 37 CFR §1.56 which is material to the examination of this application, namely, information that may affect the patentability of one or more claims in the application.
- I believe that there is an error in the patent by reason of my claiming less than I had a right, as one of the patentees, to claim in the patent. Specifically, I believe the original patent to be partly invalid or inoperative because I failed to include claims having a broader scope than that which issued in independent Claim 1. This error was made unintentionally and with no intention to deceive or mislead the United States Patent and Trademark Office, and, thus, without deceptive intent.
- 7. I executed an inventor's oath for a patent application which was filed in the United States Patent and Trademark Office. That application was filed on May 5, 1997 and given U.S. Serial No. 08/851,200. U.S. Patent No. 5,855,004 issued from that application on December 29, 1998.
- 8. When I signed the oath submitted with U.S. Patent Application Serial No. 08/851,200, I did not appreciate that I was entitled to claims such as the newly added Claims 21-50.
- 9. Specifically, Applicants were and are entitled to claims having a breadth as set forth in newly added Claims 21-50.
- 10. Newly added independent Claim 21 recites "A sound reproducing system for a model train traveling on a plurality of rails that uses an amplified digital control signal for propulsion and control, the system comprising: a sound unit; a

memory within the sound unit wherein the memory stores a plurality of sound effects at addresses wherein the sound effects contain multiple samples that emulate a train locomotive at various conditions; and a controller connected to the memory for recalling at least one of the sound effects wherein the controller is controlled by a digital signal."

- 11. Newly added Claim 22 recites "The system of Claim 21 wherein the sound effects are at pre-determined addresses."
- 12. Newly added Claim 23 recites "The system of Claim 21 wherein the controller recalls a plurality of sound effects."
- 13. Newly added Claim 24 recites "The system of Claim 23 wherein the plurality of sound effects are recalled in a predetermined sequence."
- 14. Newly added Claim 25 recites "The system of Claim 23 wherein the plurality of sound effects are recalled in a random sequence."
- 16. Newly added Claim 26 recites "The system of Claim 21 wherein the various conditions include various speeds."
- 17. Newly added Claim 27 recites "The system of Claim 21 wherein the various conditions include various workloads."
- 18. Newly added Claim 28 recites "The system of Claim 21 wherein the memory includes a plurality of special effects stored therein and further wherein the model train includes a motor wherein the controller controls the motor."
- 19. Newly added Claim 29 recites "The system of Claim 21 wherein the digital signal is a bi-polar digital signal."
- 20. Newly added Claim 30 recites "The system of Claim 21 wherein the digital signal is a digital packet wherein the

digital packet triggers the sound effect."

- 21. Newly added Claim 31 recites "The system of Claim 21 further comprising: an electrical power supply connected to at least one of the plurality of rails; a pick-up means for collecting the digital signal; and a full-wave bridge rectifier connected to the electrical power supply and further having an input for receiving the digital signal and an output wherein the output produces a DC signal without regard to phase of the digital signal."
- 22. Newly added Claim 32 recites "The system of Claim 21 wherein the memory includes a plurality of special effects stored therein and further wherein the model train includes a motor and means for simultaneously decoding the digital signal for control of the sound effects, the motor and/or the special effects."
- 23. Newly added Claim 33 recites "The system of Claim 21 further comprising: a fixed external source of electrical power; means for connecting the digital signal to the sound memory; and means for filtering the digital signal."
- 24. Newly added Claim 34 recites "The system of Claim 21 further comprising: a speed sync sensor in the controller wherein the controller recalls a plurality of speed sensitive sounds to emulate a speed of the train locomotive based on a speed of the model train wherein the speed sync sensor synchronizes the speed sensitive sounds with the speed of the model train."
- 25. Newly added Claim 35 recites "The system of Claim 21 wherein the controller recalls the sound effects in an asynchronous manner."
  - 26. Newly added Claim 36 recites "The system of Claim 21

further comprising: a second memory for storing the plurality of sound effects."

- 27. Newly added Claim 37 recites "The system of Claim 21 further comprising: a discrete address in the range of 1 to 127 contained within the sound unit wherein the digital signal includes a three byte packet wherein the three byte packet includes an address header that matches the discrete address."
- 28. Newly added Claim 38 recites "The system of Claim 21 further comprising: a discrete address in the range of 1 to 9999 contained within the sound unit wherein the digital signal includes a four byte packet wherein the four byte packet includes an address header that matches the discrete address."
- 29. Newly added Claim 39 recites "The system of Claim 21 further comprising: wheels on the model train; a digital packet within the digital signal for controlling a speed of the model train; and means for synchronizing the plurality of sound effects to the wheels of the model train wherein the synchronization means decodes the digital packet and further wherein the synchronization means determines which sound effect to synchronize with the speed of the model train using the digital packet."
- 30. Newly added Claim 40 recites "The system of Claim 21 wherein the memory includes a plurality of special effects stored therein and further wherein the model train includes a motor and further wherein the model train includes a micro-controller that decodes a digital signal for control of the sound effects, the motor and/or the special effects."
  - 31. Newly added Claim 41 recites "The system of Claim 21

wherein the memory includes a plurality of special effects stored therein wherein the special effects include a lighting special effect and further wherein the controller controls the special effects."

- 32. Newly added Claim 42 recites "The system of Claim 40 wherein the plurality of sound effects has a volume controlled by the micro-controller."
- 33. Newly added Claim 43 recites "The system of Claim 40 wherein the sound effects have 14, 28 or 128 speed steps controlled by the micro-controller."
- 34. Newly added Claim 44 recites "The system of Claim 40 wherein the micro-controller is programmed to control the sound effects."
- 35. Newly added Claim 45 recites "The system of Claim 21 wherein the sound effects are digitized."
- 36. Newly added Claim 46 recites "The system of Claim 21 further comprising: a microphone on the sound unit for recording an additional sound effect."
- 37. Newly added Claim 47 recites "The system of Claim 21 further comprising: an activation means for activating the sound effect wherein the activation means is a magnetically responsive sensor."
- 38. Newly added Claim 48 recites "The system of Claim 21 further comprising: means for controlling a variable filter network wherein the variable filter network suppresses audible noise."
- 39. Newly added Claim 49 recites: The system of Claim 21 wherein the sound effects include a sample that emulates a train

locomotive at multiple speeds."

- 40. Newly added Claim 50 recites: "The system of Claim 21 wherein the stored sound effects are analog."
- 41. The newly added claims define an invention disclosed by the original specification and not taught by any reference or combination of references of which I am aware.
- 42. The errors in the originally filed claims arose without any deceptive intention on my part.

A copy of the reissue application is attached hereto. I have reviewed and understand the contents of the specification, including the claims, as amended or added by any amendments specifically referred to herein.

I hereby appoint the following attorney to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Brian M. Mattson, Reg. No. 35,018, of the firm of Patents+TMS, P.C.

Address all correspondence to:

Patents+TMS
A Professional Corporation
1914 North Milwaukee
Chicago, Illinois 60647
Telephone: 773/772-6009

I hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may

jeopardize the validity of the application or any patent issued thereon.

Full Name of Joint Inventor

Inventor's Signature Residence Citizenship Post Office Address

MICHAEL J. NOVOSEL			
Michael Thorosal	_Date:_ <b>4</b> -	-29	-00
CHICAGO ILLINOIS			
USA			
4220 NORTH MARMORA,	CHICAGO,	ΙL	60634

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

REISSUE SERIAL NO. :

FILED :

GROUP ART UNIT :

EXAMINER :

PATENT NO. : 5,855,004

INVENTORS : Novosel et al.

TITLE : "SOUND RECORDING AND REPRODUCTION

SYSTEM FOR MODEL TRAIN USING INTEGRATED DIGITAL COMMAND

CONTROL"

### REISSUE APPLICATION INVENTOR'S DECLARATION AND POWER OF ATTORNEY VINCENT S. FLESZEWSKI, III

Assistant Commissioner for Patents Box 7 Washington, D.C. 20231

SIR:

I hereby declare that:

- 1. My residence, post office address and citizenship are as stated below next to my name.
- 2. I am one of the original joint inventors for U.S. Patent Application Serial No. 851,200 filed May 5, 1997 and which issued as U.S. Patent No. 5,855,004 on December 29, 1998, and for which invention a reissue patent is being solicited.
- 3. A copy of the reissue application is attached hereto. I have reviewed and understand the contents of the specification, including the claims as amended or added by any amendments specifically referred to herein.
- 4. I believe the named inventors, I, Vincent S. Fleszewski, III, Michael J. Novosel, and Kelly Boles, to be the original and first inventors of the subject matter which is claimed and for which a reissue patent is sought.

- 6. I believe that there is an error in the patent by reason of my claiming less than I had a right, as one of the patentees, to claim in the patent. Specifically, I believe the original patent to be partly invalid or inoperative because I failed to include claims having a broader scope than that which issued in independent Claim 1. This error was made unintentionally and with no intention to deceive or mislead the United States Patent and Trademark Office, and, thus, without deceptive intent.
- 7. I executed an inventor's oath for a patent application which was filed in the United States Patent and Trademark Office. That application was filed on May 5, 1997 and given U.S. Serial No. 08/851,200. U.S. Patent No. 5,855,004 issued from that application on December 29, 1998.
- 8. When I signed the oath submitted with U.S. Patent Application Serial No. 08/851,200, I did not appreciate that I was entitled to claims such as the newly added Claims 21-50.
- 9. Specifically, Applicants were and are entitled to claims having a breadth as set forth in newly added Claims 21-50.
- 10. Newly added independent Claim 21 recites "A sound reproducing system for a model train traveling on a plurality of rails that uses an amplified digital control signal for propulsion and control, the system comprising: a sound unit; a memory within the sound unit wherein the memory stores a plurality of sound effects at addresses wherein the sound effects contain multiple samples that emulate a train locomotive at various conditions; and a controller connected to the memory for recalling at least one of the sound effects wherein the

controller is controlled by a digital signal."

- 11. Newly added Claim 22 recites "The system of Claim 21 wherein the sound effects are at pre-determined addresses."
- 12. Newly added Claim 23 recites "The system of Claim 21 wherein the controller recalls a plurality of sound effects."
- 13. Newly added Claim 24 recites "The system of Claim 23 wherein the plurality of sound effects are recalled in a predetermined sequence."
- 14. Newly added Claim 25 recites "The system of Claim 23 wherein the plurality of sound effects are recalled in a random sequence."
- 16. Newly added Claim 26 recites "The system of Claim 21 wherein the various conditions include various speeds."
- 17. Newly added Claim 27 recites "The system of Claim 21 wherein the various conditions include various workloads."
- 18. Newly added Claim 28 recites "The system of Claim 21 wherein the memory includes a plurality of special effects stored therein and further wherein the model train includes a motor wherein the controller controls the motor."
- 19. Newly added Claim 29 recites "The system of Claim 21 wherein the digital signal is a bi-polar digital signal."
- 20. Newly added Claim 30 recites "The system of Claim 21 wherein the digital signal is a digital packet wherein the digital packet triggers the sound effect."
- 21. Newly added Claim 31 recites "The system of Claim 21 further comprising: an electrical power supply connected to at least one of the plurality of rails; a pick-up means for collecting the digital signal; and a full-wave bridge rectifier

connected to the electrical power supply and further having an input for receiving the digital signal and an output wherein the output produces a DC signal without regard to phase of the digital signal."

- 22. Newly added Claim 32 recites "The system of Claim 21 wherein the memory includes a plurality of special effects stored therein and further wherein the model train includes a motor and means for simultaneously decoding the digital signal for control of the sound effects, the motor and/or the special effects."
- 23. Newly added Claim 33 recites "The system of Claim 21 further comprising: a fixed external source of electrical power; means for connecting the digital signal to the sound memory; and means for filtering the digital signal."
- 24. Newly added Claim 34 recites "The system of Claim 21 further comprising: a speed sync sensor in the controller wherein the controller recalls a plurality of speed sensitive sounds to emulate a speed of the train locomotive based on a speed of the model train wherein the speed sync sensor synchronizes the speed sensitive sounds with the speed of the model train."
- 25. Newly added Claim 35 recites "The system of Claim 21 wherein the controller recalls the sound effects in an asynchronous manner."
- 26. Newly added Claim 36 recites "The system of Claim 21 further comprising: a second memory for storing the plurality of sound effects."
- 27. Newly added Claim 37 recites "The system of Claim 21 further comprising: a discrete address in the range of 1 to 127 contained within the sound unit wherein the digital signal

includes a three byte packet wherein the three byte packet includes an address header that matches the discrete address."

- 28. Newly added Claim 38 recites "The system of Claim 21 further comprising: a discrete address in the range of 1 to 9999 contained within the sound unit wherein the digital signal includes a four byte packet wherein the four byte packet includes an address header that matches the discrete address."
- 29. Newly added Claim 39 recites "The system of Claim 21 further comprising: wheels on the model train; a digital packet within the digital signal for controlling a speed of the model train; and means for synchronizing the plurality of sound effects to the wheels of the model train wherein the synchronization means decodes the digital packet and further wherein the synchronization means determines which sound effect to synchronize with the speed of the model train using the digital packet."
- 30. Newly added Claim 40 recites "The system of Claim 21 wherein the memory includes a plurality of special effects stored therein and further wherein the model train includes a motor and further wherein the model train includes a micro-controller that decodes a digital signal for control of the sound effects, the motor and/or the special effects."
- 31. Newly added Claim 41 recites "The system of Claim 21 wherein the memory includes a plurality of special effects stored therein wherein the special effects include a lighting special effect and further wherein the controller controls the special effects."
  - 32. Newly added Claim 42 recites "The system of Claim 40

wherein the plurality of sound effects has a volume controlled by the micro-controller."

- 33. Newly added Claim 43 recites "The system of Claim 40 wherein the sound effects have 14, 28 or 128 speed steps controlled by the micro-controller."
- 34. Newly added Claim 44 recites "The system of Claim 40 wherein the micro-controller is programmed to control the sound effects."
- 35. Newly added Claim 45 recites "The system of Claim 21 wherein the sound effects are digitized."
- 36. Newly added Claim 46 recites "The system of Claim 21 further comprising: a microphone on the sound unit for recording an additional sound effect."
- 37. Newly added Claim 47 recites "The system of Claim 21 further comprising: an activation means for activating the sound effect wherein the activation means is a magnetically responsive sensor."
- 38. Newly added Claim 48 recites "The system of Claim 21 further comprising: means for controlling a variable filter network wherein the variable filter network suppresses audible noise."
- 39. Newly added Claim 49 recites: The system of Claim 21 wherein the sound effects include a sample that emulates a train locomotive at multiple speeds."
- 40. Newly added Claim 50 recites: "The system of Claim 21 wherein the stored sound effects are analog."
- 41. The newly added claims define an invention disclosed by the original specification and not taught by any reference or

**>** 

combination of references of which I am aware.

42. The errors in the originally filed claims arose without any deceptive intention on my part.

A copy of the reissue application is attached hereto. I have reviewed and understand the contents of the specification, including the claims, as amended or added by any amendments specifically referred to herein.

I hereby appoint the following attorney to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Brian M. Mattson, Reg. No. 35,018, of the firm of Patents+TMS, P.C.

Address all correspondence to:

Patents+TMS
A Professional Corporation
1914 North Milwaukee
Chicago, Illinois 60647
Telephone: 773/772-6009

I hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Joint Inventor

Inventor's Signature Residence Citizenship Post Office Address VINCENT S. FLESZEWSKI, III

Vincent S. FLESZEWSKI, III

Vincent S. FLESZEWSKI, III

One of the property of the

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

REISSUE SERIAL NO.

:

FILED

:

GROUP ART UNIT

:

**EXAMINER** 

:

PATENT NO.

5,855,004

INVENTORS

Novosel et al.

TITLE

"SOUND RECORDING AND REPRODUCTION SYSTEM FOR MODEL TRAIN USING INTEGRATED DIGITAL COMMAND

CONTROL"

# REISSUE APPLICATION INVENTOR'S DECLARATION AND POWER OF ATTORNEY KELLY BOLES

Assistant Commissioner for Patents Box 7
Washington, D.C. 20231

SIR:

I hereby declare that:

- 1. My residence, post office address and citizenship are as stated below next to my name.
- 2. I am one of the original joint inventors for U.S. Patent Application Serial No. 851,200 filed May 5, 1997 and which issued as U.S. Patent No. 5,855,004 on December 29, 1998, and for which invention a reissue patent is being solicited.
- 3. A copy of the reissue application is attached hereto. I have reviewed and understand the contents of the specification, including the claims as amended or added by any amendments specifically referred to herein.
- 4. I believe the named inventors, I, Kelly Boles, Michael J. Novosel, and Vincent S. Fleszewski, III, to be the original and first inventors of the subject matter which is claimed and

1

Due to clerical error this was not strayed in with the similarly - worded Declarations by the other this inventors, recovered on 06/59/2000

for which a reissue patent is sought.

- 5. I acknowledge the duty to disclose information defined in 37 CFR §1.56 which is material to the examination of this application, namely, information that may affect the patentability of one or more claims in the application.
- I believe that there is an error in the patent by reason of my claiming less than I had a right, as one of the patentees, to claim in the patent. Specifically, I believe the original patent to be partly invalid or inoperative because I failed to include claims having a broader scope than that which issued in independent Claim 1. This error was made unintentionally and with no intention to deceive or mislead the United States Patent and Trademark Office, and, thus, without deceptive intent.
- 7. I executed an inventor's oath for a patent application which was filed in the United States Patent and Trademark Office. That application was filed on May 5, 1997 and given U.S. Serial No. 08/851,200. U.S. Patent No. 5,855,004 issued from that application on December 29, 1998.
- 8. When I signed the oath submitted with U.S. Patent Application Serial No. 08/851,200, I did not appreciate that I was entitled to claims such as the newly added Claims 21-50.
- 9. Specifically, Applicants were and are entitled to claims having a breadth as set forth in newly added Claims 21-50.
- 10. Newly added independent Claim 21 recites "A sound reproducing system for a model train traveling on a plurality of rails that uses an amplified digital control signal for propulsion and control, the system comprising: a sound unit; a

memory within the sound unit wherein the memory stores a plurality of sound effects at addresses wherein the sound effects contain multiple samples that emulate a train locomotive at various conditions; and a controller connected to the memory for recalling at least one of the sound effects wherein the controller is controlled by a digital signal."

- 11. Newly added Claim 22 recites "The system of Claim 21 wherein the sound effects are at pre-determined addresses."
- 12. Newly added Claim 23 recites "The system of Claim 21 wherein the controller recalls a plurality of sound effects."
- 13. Newly added Claim 24 recites "The system of Claim 23 wherein the plurality of sound effects are recalled in a predetermined sequence."
- 14. Newly added Claim 25 recites "The system of Claim 23 wherein the plurality of sound effects are recalled in a random sequence."
- 16. Newly added Claim 26 recites "The system of Claim 21 wherein the various conditions include various speeds."
- 17. Newly added Claim 27 recites "The system of Claim 21 wherein the various conditions include various workloads."
- 18. Newly added Claim 28 recites "The system of Claim 21 wherein the memory includes a plurality of special effects stored therein and further wherein the model train includes a motor wherein the controller controls the motor."
- 19. Newly added Claim 29 recites "The system of Claim 21 wherein the digital signal is a bi-polar digital signal."
- 20. Newly added Claim 30 recites "The system of Claim 21 wherein the digital signal is a digital packet wherein the

digital packet triggers the sound effect."

- 21. Newly added Claim 31 recites "The system of Claim 21 further comprising: an electrical power supply connected to at least one of the plurality of rails; a pick-up means for collecting the digital signal; and a full-wave bridge rectifier connected to the electrical power supply and further having an input for receiving the digital signal and an output wherein the output produces a DC signal without regard to phase of the digital signal."
- 22. Newly added Claim 32 recites "The system of Claim 21 wherein the memory includes a plurality of special effects stored therein and further wherein the model train includes a motor and means for simultaneously decoding the digital signal for control of the sound effects, the motor and/or the special effects."
- 23. Newly added Claim 33 recites "The system of Claim 21 further comprising: a fixed external source of electrical power; means for connecting the digital signal to the sound memory; and means for filtering the digital signal."
- 24. Newly added Claim 34 recites "The system of Claim 21 further comprising: a speed sync sensor in the controller wherein the controller recalls a plurality of speed sensitive sounds to emulate a speed of the train locomotive based on a speed of the model train wherein the speed sync sensor synchronizes the speed sensitive sounds with the speed of the model train."
- 25. Newly added Claim 35 recites "The system of Claim 21 wherein the controller recalls the sound effects in an asynchronous manner."
  - 26. Newly added Claim 36 recites "The system of Claim 21

further comprising: a second memory for storing the plurality of sound effects."

- 27. Newly added Claim 37 recites "The system of Claim 21 further comprising: a discrete address in the range of 1 to 127 contained within the sound unit wherein the digital signal includes a three byte packet wherein the three byte packet includes an address header that matches the discrete address."
- 28. Newly added Claim 38 recites "The system of Claim 21 further comprising: a discrete address in the range of 1 to 9999 contained within the sound unit wherein the digital signal includes a four byte packet wherein the four byte packet includes an address header that matches the discrete address."
- 29. Newly added Claim 39 recites "The system of Claim 21 further comprising: wheels on the model train; a digital packet within the digital signal for controlling a speed of the model train; and means for synchronizing the plurality of sound effects to the wheels of the model train wherein the synchronization means decodes the digital packet and further wherein the synchronization means determines which sound effect to synchronize with the speed of the model train using the digital packet."
- 30. Newly added Claim 40 recites "The system of Claim 21 wherein the memory includes a plurality of special effects stored therein and further wherein the model train includes a motor and further wherein the model train includes a micro-controller that decodes a digital signal for control of the sound effects, the motor and/or the special effects."
  - 31. Newly added Claim 41 recites "The system of Claim 21

wherein the memory includes a plurality of special effects stored therein wherein the special effects include a lighting special effect and further wherein the controller controls the special effects."

- 32. Newly added Claim 42 recites "The system of Claim 40 wherein the plurality of sound effects has a volume controlled by the micro-controller."
- 33. Newly added Claim 43 recites "The system of Claim 40 wherein the sound effects have 14, 28 or 128 speed steps controlled by the micro-controller."
- 34. Newly added Claim 44 recites "The system of Claim 40 wherein the micro-controller is programmed to control the sound effects."
- 35. Newly added Claim 45 recites "The system of Claim 21 wherein the sound effects are digitized."
- 36. Newly added Claim 46 recites "The system of Claim 21 further comprising: a microphone on the sound unit for recording an additional sound effect."
- 37. Newly added Claim 47 recites "The system of Claim 21 further comprising: an activation means for activating the sound effect wherein the activation means is a magnetically responsive sensor."
- 38. Newly added Claim 48 recites "The system of Claim 21 further comprising: means for controlling a variable filter network wherein the variable filter network suppresses audible noise."
- 39. Newly added Claim 49 recites: The system of Claim 21 wherein the sound effects include a sample that emulates a train

locomotive at multiple speeds."

- 40. Newly added Claim 50 recites: "The system of Claim 21 wherein the stored sound effects are analog."
- 41. The newly added claims define an invention disclosed by the original specification and not taught by any reference or combination of references of which I am aware.
- 42. The errors in the originally filed claims arose without any deceptive intention on my part.

A copy of the reissue application is attached hereto. I have reviewed and understand the contents of the specification, including the claims, as amended or added by any amendments specifically referred to herein.

A copy of the reissue application is attached hereto. I have reviewed and understand the contents of the specification, including the claims, as amended or added by any amendments specifically referred to herein.

I hereby appoint the following attorney to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Brian M. Mattson, Reg. No. 35,018, Reg. No. 45,080, of the firm of Patents+TMS, P.C.

Address all correspondence to:

Patents+TMS
A Professional Corporation
1914 North Milwaukee
Chicago, Illinois 60647
Telephone: 773/772-6009

I hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Joint Inventor

Inventor's Signature Residence Citizenship Post Office Address ROCHESTER, MINNESOTA
USA

1407-48TH STREET, ROCHESTER, MN 55901

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

REISSUE SERIAL NO.

FILED

GROUP ART UNIT

**EXAMINER** 

PATENT NO. 5,855,004

Novosel et al. INVENTORS

"SOUND RECORDING AND REPRODUCTION TITLE

> SYSTEM FOR MODEL TRAIN USING INTEGRATED DIGITAL COMMAND

CONTROL"

#### CONSENT BY ASSIGNEE

The Assignee of Record, Real Rail Effects, Inc,. gives full consent to the accompanying reissue application of U.S. Patent No. 5,855,004. The evidentiary documents have been reviewed and, as evidenced by the attached copy of the Notice of Recordation of Assignment Document from the U.S. Patent and Trademark Office, title is in the Assignee of Record, Real Rail Effects, Inc., as recorded at Reel 8748, Frame 0083 on October 6, 1997.

Date: <u>April</u>, <u>2</u>000

Title: <u>Pu</u>

Réal Rail Effects,

4220 North Marmora Chicago, IL 60634

### **CERTIFICATE UNDER 37 C.F.R.§3.73(b)**

Novosel et al.

Patentees:		Novosel et al.				
Application	Serial No.:	08/851,200		Filed:	May 5, 1997	
U.S. Patent	No.:	5,855,004		Issued:	Dec. 29, 1998	
		ING AND REPRODU ED DIGITAL COMM			MODEL TRAIN	
Real Rail Eff Name of Ass		, a	Corporation Type of Ass	ignee		
	t it is the ass bove by virtu	ignee of the entire e of either	right, title an	d interes	st in the patent	
A. [X]	The assignr Office on Oc	ent from the invent nent was recorded ctober 6, 1997 at Re eof is attached.	I in the U.S.	Patent a	nd Trademark	
OR						
B.[]	A chain of title from the inventor(s) of the patent identified above to the current assignee as shown below:					
	1. From		To			
		***				
	The Trade	document was re emark Office at Re n a copy thereof is a	ecorded in	the U.S	5. Patent and	
	The Trade which	document was re emark Office at Re	ecorded in el, Frattached.	the U.S rame	i. Patent and , or for	
	The Trade which  2. From The Trade	document was re emark Office at Re n a copy thereof is a	ecorded in eel, FoattachedTo ecorded in eel, Fo	the U.S	5. Patent and or for	
	The Trade which  2. From The Trade which	document was reemark Office at Renark of the control of the contro	ecorded in el, Footback in Toecorded in el, Footback in ettached.	the U.S rame the U.S rame	Patent and, or for  Patent and, or for	
	The Trade which  2. From The Trade which  3. From The Trade	document was remark Office at Remark Off	ecorded in sel, Foattached.  corded in sel, Foattached.  To attached.  corded in sel, Foattached.	the U.S	2. Patent and, or for	
[ ]	The Trade which  2. From The Trade which  3. From The Trade which	document was remark Office at Remark Off	ecorded in eel, Frattached.  ecorded in eel, Frattached.  ecorded in eel, Frattached.	the U.S rame the U.S rame	Patent and, or for  Patent and, or for  Patent and, or for	

The undersigned has reviewed all the documents in the chain of title of the patent application identified above, and to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true, and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Name: Michael J Novose/ Jr

Title: The selection

Signature: Michael Moveself



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

NOVEMBER 25, 1997

HILL, STEADMAN & SIMPSON BRIAN M. MATTSON, ESQ. 85TH FLOOR, SEARS TOWER 233 SOUTH WACKER DRIVE CHICAGO, IL 60606

PTAS



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/06/1997

REEL/FRAME: 8748/0083

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

NOVOSEL, MICHAEL J.

DOC DATE: 04/30/1997

ASSIGNOR:

FLESZEWSKI, VINCENT S. III

DOC DATE: 05/05/1997

ASSIGNOR:

BOLES, KELLY

DOC DATE: 09/30/1997

ASSIGNEE:

REAL RAIL EFFECTS, INC. 4220 NORTH MARMORA CHICAGO, ILLINOIS 60634

SERIAL NUMBER: 08851200

PATENT NUMBER:

FILING DATE: 05/05/1997

ISSUE DATE:

.8748/0083 PAGE 2

SHIRLIE SIMON, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

#### ASSIGNMENT

FOR and in consideration of One Dollar (\$1.00) to us in hand paid, and other valuable considerations, the receipt and sufficiency whereof are hereby acknowledged and confessed, we, Michael J. Novosel of 4220 North Marmora, Chicago, Illinois 60634, and Vincent S. Fleszewski, III of 11352 Hobart Place, Crown Point, IN 46307 and Kelly Boles of 1407-48th Street N.W., Rochester, MN 55901, all citizens of the United States, hereby sell, assign, transfer and set over unto Real Rail Effects, Inc. a corporation of Illinois, having an office and place of business at 4220 North Marmora, Chicago, Illinois 60634, the entire right, title and interest in and to our invention in

#### "SOUND RECORDING AND REPRODUCTION SYSTEM"

as set forth in our application for United States Letters Patent therefor, prepared by the firm of Hill, Steadman & Simpson, A Lofessional Corporation, of Chicago, Illinois and executed of even date herewith, said application being identified in the office records of said firm as Case No. P97,1046and in and to the United States Letters Patent therefor, when issued, together with all improvements thereon and betterments thereof, all divisions, continuations and reissues thereof and substitutions of or for said application, and all foreign rights including the right to make application for Letters Patent for said inventions in any and all foreign countries and the right to claim priority as to filing date under the International Convention on the basis of the aforesaid application for United States Letters Patent; and we hereby authorize and direct the Commissioner of Patents to issue the patent for said inventions when granted, in accordance with this assignment and sale.

For the same consideration, we hereby agree that we will promptly communicate to the aforesaid assignee or its assigns full and complete information concerning improvements or betterments of the inventions disclosed in said application, and we will cooperate at any time upon request of said assignee or its assigns, at its or their expense, in the procurement of patent protection to cover the inventions herein assigned and to be assigned including the execution of new, divisional, continuing and reissue applications; we will make all rightful oaths, will testify in any proceedings in the Patent Office or in the Courts, and generally will do everything lawfully possible to aid said assignee, its successors, assigns, and nominees to obtain, enjoy and enforce proper patent protection for the inventions embraced within the terms of this document.

IN WITNESS WHEREOF, we have hereunto subscribed our names and affixed our seals at:

Date: May 5, 1997 (SEAL)	City of
(	112011002 % . 110 10 00 02 2
Date: <u>April 30, 1997</u> (SEAL)	City of
	City of

Date: SEPTEMBER 30 State of Municosta	
Date: SEPTEMBER 30 State of Municofa	_
(SEAL) Kelly Boles	_
State of Illinois	
State of <u>Illinois</u> ): ss County of <u>hake</u> )	
Before me personally appeared <b>Michael J. Novosel</b> , known to me to be the person who executed the foregoing instrument, and acknowledge the execution and delivery thereof, under their seals, for the use and purposes therein set forth, on the day and year aforesaid.	ed
Karen & Schumani	
Notary Public	
S E A L "OFFICIAL SEAL	
KAREN L. SCHUMAI Notary Poblic, State of Illa	
State of Olivious ) My Commission Expires 05.	127/0
State of Olivious )  County of Fake ): ss	<b>33</b> 5
Before me personally appeared Vincent S. Fleszewski, III, known to reto be the person who executed the foregoing instrument, an acknowledged the execution and delivery thereof, under their seals for the uses and purposes therein set forth, on the day and year aforesaid.	nd s, ar
Aren Later Publicance Notary Publicance "OFFICIAL SEAL	
Notary Fuel Consequences	خانوموا السا
S E A L KAREN L. SCHUMA	NN
Netary Public, State of Illi  My Commission Expires 05	
State of Number )	
County of Dusted : ss	
person who executed the foregoing instrument, and acknowledged the	he he nd
Thomas A Naver	
Notary Public	
S TEOMAS G. HUEY NOTARY PUBLIC – MINNESOTA OLMSTED COUNTY My Comm. Expires Jan. 31, 2000	